

FINANCIAL REPORT

W A T E R

1933

FINANCIAL REPORT
OF THE
DIVISION OF ACCOUNTS
(WATER)

March 7, 1934

To the Director of Public Affairs,
Newark, New Jersey.

Dear Sir:

Attention Mr. Jas. W. Costello, Chief Engr.

I submit herewith the Financial Report of the
Division of Accounts - Water, for the year ending December
31st, 1933, contained in the following statements:

Income Account for the year ending December 31st,
1933.

Balance Sheet as at December 31st, 1933.

Respectfully,

Chief Accountant.

March 7, 1934

To the Director of Public Affairs,

Newark, New Jersey.

Dear Sir:

I submit herewith schedules supporting the Income Account and Balance Sheet presented to you on February 1, 1934, and offer the following explanation of the various schedules:

FIXED CAPITAL, \$45,558,346.50.

This schedule shows the additions to the plant and equipment during the year, the principal additions being amounts expended in:

Chlorine Building-Macopin	\$ 7,050.09
High Pressure System	8,311.47
General Distribution Mains	74,404.11
Fire Hydrants	6,808.62
	\$ 96,604.29

DEPRECIATION SCHEDULE, \$5,523,504.00.

This schedule shows in detail the depreciation accrued during the year on plant, \$341,031.29, based on unit rates set up by the Chief Accountant. There is also shown the amount of depreciation on each individual group at the beginning of the year. The total reserve at December 31, 1933 on plant and equipment is \$5,523,504.00 and the net depreciated cost of plant is \$39,734,842.50.

CASH, \$18,663.89.

This amount is in the hands of the City Treasurer in the General City Funds, with the exception of trust funds contained therein in amount of \$5,735.14.

CONSUMERS' ACCOUNTS RECEIVABLE, \$867,340.29.

NORTH JERSEY DIST. WATER SUPPLY COMMISSION ACCOUNTS RECEIVABLE, \$313,124.30.

This amount represents open accounts owing and collectable from consumers, representing verified balances on the records in the Bureau, with the exception of water and service arrears in the hands of the City Comptroller in amount of \$36,341.55, which amount is not certified.

Sinking Fund	\$ 2,721,863.98
Funded Debt	21,630,000.00
Temporary Bonds Renewed	1,000,000.00
Interest on Bonds for Year	1,021,618.11

The investments are held and controlled by the Sinking Fund Commission and are verified with City Auditor Records. Opposite the several amounts in sinking fund is set the amount of bonds outstanding, arranged in order of maturity.

The funded debt was decreased during 1933 by \$719,000.00. Sinking Fund Bonds in amount of \$250,000.00 and Serial Bonds in amount of \$469,000.00 were paid. Total amount of bonds retired during 1933, \$719,000.00. Temporary Bonds were renewed in amount of \$1,000,000.00.

The interest on funded debt during year was net, \$1,021,618.11, being an increase of \$28,581.65 over previous year. Detail is also shown of interest accrued and not due at December 31st, in amount of \$265,572.25.

TRUST FUNDS, \$5,735.14.

OPERATING REVENUE, \$2,237,979.17.

This schedule shows the volume of water delivered during the year, also water sold direct from Manaque Reservoir to other municipalities in amount of \$200,000.00. The operating revenue shows an increase of \$154,802.46.

During the past year there was no let up in the activities of the Bureau with regard to service and construction work.

The following tabulation of metered and unmetered service should be noted by all users of city water:

	Revenue Obtained	Water Consumed	Percentage of Revenue
Metered	1,733,694.09	12,857. Mill. Gals.	77.6
Unmetered	37,399.14	273. " "	1.7
Other Systems	237,773.47	3,320. " "	10.6
Wanaque water sold direct to other systems	200,000.00	(Unknown)	8.9
Municipal, Miscellaneous	26,990.23	435.	1.2

METERED PROPERTIES.

	Cubic Feet	Million Gallons
Domestic -		
One and two-family dwellings	416,329,500.	}
Over two-family dwellings	475,632,000.	
Non-Domestic, Industrial -		
Mills, factories, railroads	540,417,500.	}
Commercial -		
Stores, stables, office buildings	243,205,500.	}
Semi-Public Buildings -		
Hospitals, private schools, churches	43,157,000.	}
Services to Other Systems	443,837,634.	
Municipal Water Service	55,094,500.	412.134
Total	2,217,673,634	16,589.307

Unmetered -

Private dwellings, building work, street flushing, etc.	39,598,482	296.216
Fire extinguishers, loss from burst street mains and leaks	130,001,537	972.477

The proportion of unmetered consumption chargeable against private dwellings has been estimated.

ACCOUNTING SYSTEM.

The accounting system presents a complete financial statement showing operating revenue, expenditure, yearly income and the surplus or deficit for that time.

CLAIMS.

There were 1013 claims for allowance filed with the Adjustment Committee on metered properties, on which adjustments amounting to \$9,173.42 were allowed. This represents an increase of 56 in number of claims filed.

The Bureau rule, requiring consumer to present proof of claim for rebate in the form of "licensed plumber's statement" before granting any allowance, is still in effect. Each consumer is made to realize that it is his duty to account for water consumed or wasted, and that when protesting any bill, the burden of proof is on him.

MAINS

Schedules of construction costs on high and low service mains, for labor, material and overhead charges on each job, are shown, and are useful for estimating future capital expenditures or for comparisons with similar costs in other localities.

Respectfully,

Chief Accountant.

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

December 31st, 1933

BALANCE SHEET

ASSETS

CAPITAL ASSETS

Cost of properties including land,
buildings, equipment, etc., less
depreciation at January 1, 1933
Net additions during the year less
net depreciation for year

\$40,019,071.64

284,229.14

\$39,734,842.50

MATERIAL AND SUPPLIES

189,881.93

CURRENT ASSETS

Accounts Receivable -

No. Jersey Dist. W. S. Comm.

313,124.32

Meter Rates Uncollected

753,753.19

Unmetered Rates Uncollected

10,411.65

Municipal Uncollected

8,041.27

Tapping Mains Uncollected

57,574.93

Builders Uncollected

686.45

Water & Service Arrears

(Comptroller)

36,341.55

Miscellaneous

531.25

867,340.29

Less Reserve for

"Deductions" &

Doubtful Accounts 30,539.93

Additional Reserve

(Price-Waterhouse

& Company)

24,260.07

54,800.00

812,540.29

Cash in Bank

12,655.56

1,138,320.17

SPECIAL FUNDS

Watershed Extension Fund, Cash

273.19

Trust Funds, Cash

5,735.14

6,008.33

DEFERRED CHARGES TO OPERATIONS

2,089.64

SINKING FUND

2,721,863.98

\$43,793,006.55

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

December 31st, 1933

BALANCE SHEET

LIABILITIES

CAPITAL LIABILITIES

Bonded Indebtedness

22,630,000.00

CURRENT LIABILITIES

Consumers' Deposits

5,735.14

No. Jersey Dist. W. S. Comm.

185,836.74

Borrowed from City

175,000.00

Sundry Creditors

84,809.32

Unpaid Accrued Wages

22,736.31

Interest Accrued on Bonds

265,572.28

739,689.79

REVENUE APPLICABLE TO 1934 PERIOD

3,139.56

SINKING FUND RESERVE

2,721,863.98

CAPITAL SURPLUS

Balance at January 1, 1933

13,821,889.57

ADD

Sinking Fund Bonds Paid

250,000.00

Sinking Fund & Serial Bond

Payments

524,431.70

Amortization 341,031.29

Misc. Equip. -

Reserve

27,840.23

368,871.52

155,560.18

Sinking Fund Payments

55,431.70

100,128.48

14,172,018.05

REVENUE SURPLUS

Balance at January 1, 1933

3,784,648.59

DEDUCTNet Deficit from Operations
during year, as per
attached exhibit

234,093.35

Additional Reserve -

Doubtful Accounts

Price-Waterhouse & Co.

24,260.07

258,353.42

3,526,295.17

43,793,006.55

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER
STATEMENT OF EARNINGS AND EXPENDITURES
For the year ending December 31, 1933.

Net Sales of Water		2,035,856.93	
North Jersey Dist. Water Supply Comm.		<u>200,000.00</u>	2,235,856.93
Miscellaneous Operating Revenue			<u>2,122.24</u>
Total Operating Revenue			2,237,979.17
<u>DEDUCT</u>			
Water Collecting Expenses		191,687.32	
Purification System Expenses		19,766.18	
Distribution System Expenses		329,405.35	
Commercial & New Business Expenses		<u>150,053.87</u>	
General & Miscellaneous Expenses	268,207.44		
Amortization - Paid into Sinking Fund	<u>341,031.29</u>	<u>609,238.73</u>	
			1,300,151.45
			<u>937,827.72</u>
<u>ADD</u>			
Miscellaneous Rents, Interest and Non-Operating Revenue			<u>5,257.22</u>
Gross Corporate Income			943,084.94
<u>DEDUCT</u>			
Interest on Funded Debt			<u>1,021,618.11</u>
			78,533.17
<u>DEDUCT</u>			
Regular Sinking Fund Payments	55,431.70		
Serial Bond Payments	<u>469,000.00</u>	<u>524,431.70</u>	
Less Amount Provided by Amortization under General & Miscellaneous Expenses	341,031.29		
Miscellaneous Equipment Reserve under Various Expense Accounts	<u>27,840.23</u>	<u>368,871.52</u>	
			<u>155,560.18</u>
To CORPORATE DEFICIT year ending December 31, 1933			234,093.35

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

BALANCE SHEET

December 31, 1933

PUBLIC UTILITY FORM

ASSETS.

		Balance at Close of Year	Net Change During Year
Fixed Capital, December 31, 1933		45,558,346.50	60,699.38
Materials and Supplies		189,881.93	36,279.02
<u>CASH</u>			
General Funds	12,655.56		
Trust Funds	5,735.14		
Watershed Extension Fund	273.19		
		18,663.89	290,657.62
North Jersey Dist. Water Supply Commission	313,124.32		
Consumers' Accounts Receivable	867,340.29		
		1,180,464.61	478,373.11
Prepayments (Fire Insurance)		2,089.64	844.64
Sinking Funds		2,721,863.98	75,848.24
Other Suspense			525.00
		<u>\$49,671,310.55</u>	<u>\$134,917.97</u>

LIABILITIES.

Funded Debt		21,630,000.00	719,000.00
Consumers' Deposits		5,735.14	97.01
No. Jersey Dist. W.S. Com.	185,836.74		
Other Accounts Payable	230,870.56		
		416,707.30	397,071.20
Unearned Revenue (1934 Period)		3,139.56	140.66
Taxes Accrued		28,938.76	28,938.76
Interest Accrued		265,572.28	27,235.61
Other Accrued Liabilities		22,736.31	7,544.80
Other Unfunded Debt		1,000,000.00	
Amortization (or Retirement) Reserve		5,823,504.00	344,928.52
Miscellaneous Reserves		2,752,403.91	74,356.49
Corporate Surplus		17,722,573.29	137,882.84
		<u>\$49,671,310.55</u>	<u>\$134,917.97</u>

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1933

Title of Account		Accrued to Jan. 1, 1933	Accrued dur- ing 1933	Total ac- crued to Dec. 31, 1933
112	<u>RESERVATION STRUCTURES</u>			
	Macopin Village Garage, Watered	25,438.19 134.13	1,597.07 19.86	27,035.26 154.06
104	<u>WATER DIVERSION RIGHTS</u>			
113	<u>PENDING RESERVOIRS</u>			
	Cost of Watered, except Pipe Line	275,000.00	25,000.00	300,000.00
115	<u>SPRINGS & WELLS</u>			
	Driven Wells, Belleville	23,274.21		23,274.21
	Coleman Wells, Belleville	3,452.80		3,452.80
	Drilled Wells, Belleville	36,164.18		36,164.18
118	<u>INTAKE & SUPPLY MAINS</u>			
	Cost of Watered Pipe Line (M.R. Merrill's Estimate)	550,000.00	50,000.00	600,000.00
	Butler Connections	1,031.02	79.31	1,110.33
	48" Pipe Line, Gate House, Pequannock	132,754.71		132,754.71
124	<u>SEWAGE TREATMENT PLANT</u>			
	Chlorine Feeding Apparatus	7,396.70	969.19	8,365.89
127	<u>SEWER STATION STRUCTURES</u>			
	Belleville Chimney	10,056.25		10,056.25
	Belleville Riverwall & Dock	265,553.71	547.23	266,110.99
135	<u>STORAGE RESERVOIRS, TANKS & STATIONS</u>			
	Belleville Keeper's House	3,452.81	106.78	3,559.59
	Belleville Receiving Reservoir	104,313.21	4,517.18	108,830.39
	Belleville Fence	855.05	255.01	1,110.06
	Belleville Reservoir Apartments	2,942.85	1,044.90	3,987.75
	Mr. Orange Ave. W. V. Reservoir	70,151.36	2,867.83	73,019.19
	Keeper's House - 80. 9th St.	1,439.66	66.38	1,506.04
	Cedar Grove Reservoir Fence	12,439.71	1,381.19	13,820.90
	Keeper's House, Laboratory & Road	2,461.12	58.49	2,519.61
	Cedar Grove Water System	692.79		692.79
	Cedar Grove Garage	192.42	24.80	217.22

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1933

Title of Account	Accrued to Jan. 1, 1933	Accrued dur- ing 1933	Total ac- crued to Dec. 31, 1933
136 DISTRIBUTION MAINS & APPURTENANCES			
High Pressure system L. S. Distribution mains General	146,076.52 2,864,012.72	10,760.73 4,670.58	156,837.25 3,030,916.13
Fitometer Boxes 60" Steel Pipe line 30" Cast Iron Pipe line 60" Steel Supply Main #1 60" Steel Supply Main #2 (Elizabeth)	41,394.07 387,943.44 29,450.00 30,681.11 39,912.14	8,332.70 16,454.71 2,150.00 9,176.26 21,615.73	49,726.77 407,998.15 52,000.00 46,057.37 61,527.87
139 FIRE HYDRANTS & FIRE PLATES			
High Pressure Hydrants Low Pressure Hydrants	14,518.85 89,343.39	1,065.37 7,794.89	15,584.22 97,138.28
141 GENERAL STRUCTURES			
Pegannock Gate House Bldg., 5th & 6th Sts. Eighth St. Stable New Meter Testing Station Improvements, Wilson Ave. Cedar Grove Laboratory	7,984.52 13,784.20 14,684.53 1,597.62 4,017.99	569.19 760.31 963.76 259.11 813.77	8,553.71 14,544.51 15,648.29 1,856.73 4,831.76
	5,236,573.85	341,031.29 4,670.58	5,574,934.56
MISCELLANEOUS EQUIPMENT			
1421 General Office Equipment	35,443.65	3,843.88 1,055.21	36,232.33
1422 General Shop Equipment	72,946.88	12,397.65 16,507.31	75,337.28
1423 Transportation Equipment (Stable)	2,137.10	175.80 1,085.40	1,230.30
1424 Transportation Equipment (Garage)	130,154.86	10,417.00	130,601.86
1425 Miscellaneous Equipment (Laboratory)	4,319.13	973.10 624.50	4,667.73
	240,001.63	27,840.23 19,272.42	248,569.44
	5,478,575.48	365,871.52 23,943.00	5,873,504.00

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1933

S.U. A/C	Title of Account	Balance at beginning of year 1933	Additional during 1933	Deductions during 1933	Balance December 31, 1933
104	<u>WATER DIVISION RIGHTS</u>	1,500.00			1,500.00
105	<u>RESERVATION LAND</u>				
	Entered Extension Fund	2,483,447.95	525.00		2,483,972.95
	New Storage Reservoir	124,537.97			124,537.97
	Exchanged for Water	116,240.00			116,240.00
	Bureau of Water Revenue	53,451.00			53,451.00
	Searches on Land	18,033.38	12.28		18,045.66
106	<u>OTHER PURPOSES OF SUPPLY LAND</u>				
	Driven Wells, Belleville	1,693.92			1,693.92
108	<u>PUMPING SYSTEM LAND</u>				
	Pump House, Belleville	11,833.64			11,833.64
109	<u>STORAGE RESERVOIR LAND</u>				
	Belleville Reservoir	1.00			1.00
	Surrounding Belleville Reservoir	12,000.00			12,000.00
	Fernis Property, Belleville	14,175.00			14,175.00
	Surrounding So. Orange Av.				
	High Pressure Reservoir	1.00			1.00
110	<u>OTHER DISTRIBUTION SYSTEM LAND</u>				
	Right of Way - Slingerland and DeBow	1,200.00			1,200.00
	Right of Way - Belleville #1	450.00			450.00
	Right of Way - Belleville #2	728.35			728.35
	Improvements along Pipe Line at Montclair	2,767.00			2,767.00
	Strip, Central Ave. and Hecker St.	1.00			1.00
112	<u>RESERVATION STRUCTURES</u>				
	Macopin Village	79,853.70			79,853.70
	Superintendent's House, Watershed		1,292.47		1,292.47
	Ocean Park Road	21,447.18			21,447.18
	Forestry	10,295.44	815.31		11,110.75
	Garage - Watershed	993.15			993.15

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1933

P/O a/c	Title of Account	Balance at beginning of year 1933	Additions during 1933	Deductions during 1933	Balance December 31, 1933
114	<u>WATER DIVERSION RIGHTS</u>				
113	<u>IMPROVING RESERVOIRS</u>				
	Cost of watered, except				
	Pipe Line	1,509,810.34		7,500.00	3,531,710.34
	Searches	2,738.00			2,738.00
	Possibilities accruing				
	from watered	5,780,411.33			5,780,411.33
113	Lock Lake Dam	339,834.21			339,834.21
	Raising Dam - Oak Ridge	671,733.89			671,733.89
	Auxiliary Dam, Charlotte-				
	burg, etc.	18,300.10			18,300.10
	New Charlotteburg Dam	22,372.53			22,372.53
	Raising Overflow, Clinton				
	Reservoir	7,072.28			7,072.28
	Charlotte Canal	8,068.83			8,068.83
	Manassas Reservoir	14,509,617.28			14,509,617.28
	Preliminary Cost of				
	furnishing added water				
	supply	15,378.00			15,378.00
115	<u>SPRINGS & WELLS</u>				
	Driven Wells, Belleville	22,275.21			22,275.21
	Caisson Wells, Belleville	2,453.80			2,453.80
	Drilled Wells, Belleville	36,165.18			36,165.18
116	<u>INTAKES AND SUPPLY LINES</u>				
	Cost of Watered Pipe				
	Line (W. R. Sherrard's				
	Estimate)	2,500,128.02			2,500,128.02
	Butler Connections	3,965.48			3,965.48
	68" Pipe Line - State				
	Route, Leesport	132,755.71			132,755.71
117	<u>SETTLING BASINS</u>				
	Settling Basins, Belleville	1.00			1.00
124	<u>WATER TREATMENT PLANT</u>				
	Calorine Feeding Apparatus	9,691.90			9,691.90
	Calorine Building, Manassas		7,080.09		7,080.09
127	<u>WATER STATION AT BELLEVILLE</u>				
	Belleville Station	10,057.25			10,057.25
	Belleville Riverfall &				
	Dock	266,111.99			266,111.99

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Fleet and Equipment

December 31, 1933

P.M. a/c	Title of Account	Balance at beginning of year 1933	Additions during 1933	Deductions during 1933	Balance December 31, 1933
135	<u>STORAGE RESERVOIRS, TANKS & TUBS</u>				
	Belleville Keeper's House	5,338.85			5,338.85
	Belleville Receiving Res.	149,439.73			149,439.73
	Belleville Fence	2,550.09			2,550.09
	Belleville Res. Improvements	10,548.99			10,548.99
	So. Orange Ave. R.R. Reservoir	98,429.62			98,429.62
	Keeper's House - 3rd St.	3,318.40			3,318.40
	Cedar Grove Reservoir	1,186,684.94			1,186,684.94
	Cedar Grove Res. Fence	13,821.90			13,821.90
	Keeper's House, Laboratory and Road	2,924.32			2,924.32
	Cedar Grove Water System	692.73			692.73
	Cedar Grove Garage	1,240.07			1,240.07
136	<u>DISTRIBUTION MAINS & ACCESS- ORIES</u>				
	High Pressure System	1,076,073.01	8,311.47		1,084,384.48
	L. P. Distribution Mains				
	General	8,578,714.56	78,436.46	10,544.43	8,646,616.59
	Pitometer Boxes	83,327.03	1,352.65		84,679.68
	60" steel pipe line	585,000.00			585,000.00
	16" Cast Iron Pipe Line	215,000.00			215,000.00
	60" steel supply main #1	448,812.78	615.00	4,000.00	445,427.78
	60" steel supply main #2	1,080,746.67			1,080,746.67
139	<u>FIRE HYDRANTS & FIRE STATIONS</u>				
	High Pressure Hydrants	106,336.77	1,527.51		107,864.28
	Low Pressure Hydrants	389,744.34	5,281.11		395,025.45
141	<u>GENERAL STRUCTURES</u>				
	Land, West side of Bloom- field Av. & No. 6th St.	2,500.00			2,500.00
	Pecannock Gate House Bldg., 5th & 6th Sts.	28,459.42			28,459.42
	5th St. Stable	38,015.74			38,015.74
	Land between So. 8 & 9 Sts.	2,000.00			2,000.00
	Land for Stable & Pipe Yard, So. 8th St. & 14th Av.	11,000.00			11,000.00
	Land - West Side Summer Av.	4,000.00			4,000.00
	New Water Testing Station	42,187.93			42,187.93
	Land - Wilson Ave.	20,565.00			20,565.00
	Land - Stanton St.	750.00			750.00
	Improvements - Wilson Ave. Franklin St.	12,955.32	1,057.50		14,012.82
	Cedar Grove Laboratory	40,628.70			40,628.70

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1933

Title of Account	Balance at beginning of year 1933	Additions during 1933	Deductions during 1933	Balance December 31, 1933
<u>142 FISCAL YEAR EQUIPMENT</u>				
A General Office Equipment	55,766.84	881.86	2,790.37	54,318.33
B General Shop Equipment	121,190.32	1,791.04	19,623.16	103,778.20
D Transportation Equipment, Automobile	3,219.90	604.30	1,296.40	2,527.80
D Transportation Equipment, Garage	154,683.46			154,683.46
F Miscellaneous Equipment, Laboratory	3,972.67	4,232.05	802.30	7,402.42
<u>143 OTHER TANGIBLE WATER CAPITAL</u>				
Engineers' Maps & Records	20,000.00			20,000.00

\$45,497,647.12 \$107,216.30 \$46,916.92 \$45,558,346.50

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

CASH STATEMENT

December 31, 1933

RECEIPTS

Balance, January 1, 1933	325,063.88	
Interest paid in 1934 to agree with auditor	<u>16,988.00</u>	351,043.88
Operating Revenue		
Metered Service, Private	1,833,152.04	
Unmetered Service, Private	35,406.08	
Municipal Service	22,067.14	
Miscellaneous Water Service		
Builders	2,643.05	
Special	496.11	
Miscellaneous Operating Revenue		
Tapping 5/8" and 1" Mains	1,477.90	
Tapping Larger Mains, Meters, etc.	62,575.88	
Penalties	556.00	
Comptroller	2,831.94	
NON-OPERATING REVENUE		
Rent	3,934.00	
Interest	531.14	
Borrowed from City	<u>175,000.00</u>	2,141,013.88
		<u>2,492,657.76</u>

DISBURSEMENTS

Pay Rolls, Weekly	418,317.66	
Pay Rolls, Semi-monthly	353,104.42	
Serial Bonds	854,000.00	
Sinking Fund	35,431.70	
Interest on Temporary Bonds	50,000.00	
Interest on Bonds	376,577.90	
Interest on Bonds (Foreign)	594,545.00	
	<u>1,020,942.90</u>	
Accounts payable	187,030.14	
Varrants drawn but not paid	<u>64,799.63</u>	124,230.56
		2,440.05
Diversion of Water - State		44.00
Accounts Receivable -		36,471.29
Comptroller Refund		
Garage Expenses		<u>2,480,002.20</u>
Balance, January 1, 1934		12,655.56

WATERBURY CITY FUND

Balance, January 1, 1933	738.19
Reservations	525.00
Balance, January 1, 1934	273.19

TRUST FUND

Receipts

Balance, January 1, 1933		5,832.15
Duplicate Payments	2,932.08	
Construction	8,496.00	
Hydrant Reducers	20.00	
Miscellaneous	825.36	
Interest	24.11	
		12,297.55
		18,129.70

Disbursements

Duplicate Payments	2,852.01	
Construction	8,896.00	
Miscellaneous	608.69	
Hydrant Reducers	10.00	
Interest Transferred	27.86	
		12,394.56
Balance, January 1, 1934		5,735.14

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

STATEMENT

WATERWORKS ACCOUNT

Balance at beginning of year 1933	5,478,575.48
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ADD

Amount during year per Chief Accountant	341,031.29
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Reserve Miscellaneous Equipment	27,840.23
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Total Credits	368,871.52
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5,847,447.00

DEDUCT

Relaying Value	4,670.30
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Miscellaneous Equipment	17,872.47
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23,943.00

Balance at close of year	5,823,504.00
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WATERWORKS RESERVE FUND

Balance at beginning of year 1933	2,797,712.22
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ADD

Payments to December 31, 1933	53,431.70
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Earnings to December 31, 1933	118,720.06
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Total Credits	172,151.76
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2,971,863.98

Deduct Bonds Paid	250,000.00
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2,721,863.98

Balance at close of year	2,721,863.98
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WATERWORKS ACCOUNT

For

Deductions of Prepaid Water Bills	5,000.00
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Doubtful & Uncollectable Accounts	13,548.18
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18,548.18

ADD

Reserve for 1934 Deductions	4,500.00
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Reserve for Doubtful Accounts	3,000.00
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Total Credits	7,500.00
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25,048.18

Allowance on 1932 Bills (in 1933)	5,500.00
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Doubtful Accounts	208.75
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5,708.75

Balance at close of year	30,756.93
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30,756.93

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

COMPARATIVE INCOME ACCOUNT

December 31, 1933

Item (or Account)	Amount Applicable to the year	Comparison preceding year.
	<u>Totals</u>	<u>Increase (Black) Decrease (Red)</u>
Water Operating Revenue	2,237,979.17	154,532.46
Water Operating Revenue Deductions	1,300,151.45	280,236.75
Water Operating Income	937,827.72	435,039.21
<u>Other Operating Income</u>		
Miscellaneous Rent Revenues	4,112.00	
Other Interest Revenues	535.60	
Other Non-Operating Revenues	309.62	
Total Miscellaneous Income	5,257.22	919.61
Gross Corporate Income	943,084.94	434,119.60
<u>Deductions from Gross Income</u>		
Interest on Long Term Debt	1,021,618.11	
Miscellaneous Deductions	155,500.13	
Total Deductions	1,177,178.29	4,603.52
Net Corporate Deficit for Year	234,093.35	438,723.12

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

SCHEDULE OF WATER CONSUMPTION AND REVENUE

Account	No. of con- sumers Dec. 31	Maxi- mum No. during year	No. of M.O. delivered to consumers during year	Net Amount Credited to Revenue	Average Net Rev- enue per M.O.
Metered Private Service	57,443	57,443	12,857.045	\$1,731,694.09	\$134.34
Unmetered Private Service (in use)	580	900	272.954 Est.	37,399.14	137.02
Unmetered Private Service (not in use)	393	399			
Service to Other Systems (water supply)	19	20	3,320.127	237,773.47	71.61
Unique Water sold direct to other systems			(not known)	200,000.00	
Municipal Water Service to Other City Departments	275	275	412.134	23,880.53	57.94
Miscellaneous Water Service			23.262	3,109.70	133.66
Total Sales of Water			16,885.523	\$2,235,856.93	
<u>Miscellaneous Operating Revenues</u>					
Good, etc.				1,514.24	
Penalties, Fees				608.00	
Total Operating Revenues				\$2,237,979.17	

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER
OPERATING EXPENSES

1. Water Collecting Expenses

411	<u>Collecting System Expenses</u>		
	(a) Collecting System Superintendence	7,155.72	
	(b) Collecting System Labor	<u>70,456.04</u>	77,612.74
412	<u>Water Collecting System Expenses</u>		20,075.91
413	<u>Water Purchased</u>		
	Balance	102,736.95	
	Less Credit (1932)	<u>30,024.53</u>	72,712.42
	Water Purchased (State)		7,440.05
415	<u>Collecting System Repairs</u>		
	(a) Repairs of Reservoirs	7,124.10	
	(b) Repairs of Impounding Reservoirs	2.60	
	(c) Repairs of Intakes and Supply Mains	<u>11,517.41</u>	18,246.23
	Total Water Collecting Expenses		191,687.32

2. Purification System Expenses

421	<u>Purification Expenses</u>		
	(a) Purification Superintendence	5,954.33	5,954.33
422	<u>Purification Supplies & Expenses</u>		13,811.85
	Total Purification System Expenses		19,766.18

3. Distribution System Expenses

431	<u>Water Storage & Distribution</u>		
	(a) Distribution Superintendence	14,734.52	
	(b) Storage Reservoir Labor	40,551.57	
	(c) Other Distribution Labor	171,245.24	
	(d) Other Distribution Expenses	<u>8,307.66</u>	187,860.57
432	<u>Work on Consumers' Premises</u>		
	(a) Consumers' Water Expenses	10,508.82	
	(b) Consumers' Installation Expenses	<u>12,167.94</u>	22,676.36
433	<u>Repairs of Pipes & Accessories</u>		
	(a) Repairs of Distribution Pipes	47,330.43	
	(b) Repairs of Consumers' Services	10,828.00	
	(c) Repairs of Fire Hydrants & Cisterns	13,925.28	
	(d) Miscellaneous Distribution Repairs	<u>51.33</u>	84,125.09
434	<u>Repairs of Consumers' Meters</u>		34,741.03
	Total Distribution System Expenses		349,405.35

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

4. Commercial & New Business Expenses

470 Commercial Expenses

(a) Commercial Office Salaries	53,871.44
(b) Meter Reading & Collecting	25,023.24
(c) Other Commercial Expenses	10,168.59

Total Commercial & New Business Expenses

150,053.87

5. General & Miscellaneous Expenses

481 <u>Salaries of General Officers</u>	49,660.85
482 <u>Other General Office Salaries</u>	67,278.30
483 <u>General Office Supplies & Expenses</u>	12,428.79
485 <u>Injuries and Damages</u>	6,650.97
486 <u>Insurance</u>	1,942.85
487 <u>Relief Department and Functions</u>	3,367.05
490 <u>Mile & Transportation Expenses</u>	
(a) Mile Expenses	24,269.75
(b) Transportation Expenses	36,180.18
	60,449.93
493 <u>Repairs of General Structures</u>	3,316.17
494 <u>General Amortization</u>	341,031.29

Total General & Miscellaneous Expenses

546,126.20

Total Operating Expenses

\$1,237,038.92

495 Passes

60,112.53

496 Uncollected Meter Fines

3,000.00

Total Revenue Deductions

\$1,300,151.45

MISCELLANEOUS DATA

Pequannock

Municipally owned plant. The water supply portion embraces storage reservoirs on the Pequannock River in Morris, Passaic and Sussex Counties, with main conduits to the city. This portion of plant was constructed under legislative authority by contract made in 1889 with the East Jersey Water Company for \$6,000,000.00. This contract contained restrictions regarding the territory which could be supplied from the Pequannock plant, and under this contract the City of Newark can only supply the present and future limits of the City of Newark and the then existing Townships of Belleville, South Orange, East Orange and Clinton. The Court has decided this contract contrary to Public Policy.

Wanaque

Wanaque Supply is owned jointly by Newark and other municipalities, Newark's cost being \$14,509,617.28, entitling the city to 40,500,000 gallons of water a day. The Reservoir was begun in 1919 and finished March 20, 1930. Connection to Newark City Water Mains was made by the Division of Water Engineers July 5, 1930.

All hydrants for municipal use are free.

Regular meter rates changed in 1914, effective January 1, 1915, as follows:

Additional surcharge 15¢ from October 1, 1933.

Minimum rate, \$6.00 per annum or \$1.50 per quarter for 500 cubic feet. Above 500 cubic feet \$1.00 per thousand.

When bills are paid within thirty days from the first day of the quarter for which they are rendered, the following discounts on sums above the minimum charge of \$6.00 will be allowed: 2 per cent for each \$100. annual payment, 4 per cent for each \$200. and so on until \$2,000., or the maximum discount of forty per cent is attained.

High Pressure and out-of-town rates - \$2.00 first 500 cubic feet - \$1.33 $\frac{1}{3}$ for each 1,000 cu. ft. additional.

Playground Commission, minimum \$1.50, regular 45¢ per 1000 cu. ft.

Board of Education - minimum \$1.50 - regular 45¢ per 1000 cu. ft. - other schools, 60¢ per 1000 cu. ft.

Hospitals and benevolent institutions - 20¢ per 1000 cu. ft.

Town of Belleville - regular 60¢ per 1000 cu. ft.

Large special sales to other municipalities - \$90.00 per 1,000,000 gallons.

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

WATER PURCHASED OR SOLD

Name of Utility	No. of M.G. delivered to consumers during year	Average price per Million Gallons	Amount Credited to Revenue	Amount Charged to Expense
Town of Belleville	571.851	84.59	48,375.51	
Town of Bloomfield	1,051.091	30.00	31,532.70	
City of Elizabeth	929.930	90.00	83,693.70	
Elizabethtown Water Co.	14.811	93.39	1,383.15	
Town of Irvington (Commonwealth Water Company)	.703	203.24	142.88	
Town of Montclair	(Minimum - No Water)		2,500.00	
City of East Orange	(Minimum - No Water)		2,500.00	
Town of Rutley	722.759	89.85	64,939.95	
Wayne Township	12.445	90.00	1,120.10	
Wayne, N. J. - Packanack Lake	16.537	95.88	1,585.48	
Albert C. Middleton, State Treas.	2,440.050	1.00		2,440.05
No. Jersey Dist. Water Supp. Comm.	5,110.400	142.28		72,712.42
	10,870.577		\$237,773.47	\$75,152.47

TERRITORY SERVED DURING YEAR

Permanent Population (Estimated)

Newark	452,000 Est.
Total Number of Taps - December 31, 1933	59,047
Taps Metered	57,774
Taps Unmetered	1,273
Total Capacity of Storage Reservoirs (M. G.)	11,405
Total Number of Storage Reservoirs	4
Total Number of Distribution Reservoirs	3
Total Capacity of Distribution Reservoirs (M. G.)	701.7
Number of Miles of Mains	559 935/5280
Number of Fire Hydrants	4,637

MONTHLY OUTPUT (Million Gallons)

	Peguanneek	Manaque
January	1,070.1	400.6
February	1,049.3	267.3
March	1,195.4	214.0
April	1,050.3	211.7
May	1,149.2	267.9
June	1,067.5	448.6
July	1,092.7	597.1
August	1,019.8	620.2
September	969.0	556.6
October	1,052.1	560.2
November	945.4	526.6
December	1,086.8	439.6
	12,747.6	5110.4

Total Million Gallons of metered consumption during year	16,588.022
Estimated flat rate consumption, 40 (1.285) Motor Flushers & Erooms	297.501
Total million gallons used by respondent during year	16,885.523
Million gallons lost or unaccounted for (5.45%)	972.477

Total million gallons delivered to mains during year	17,858.000
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DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

DRAINAGE AREA.

Total number of square miles, 63.7
Area of land owned for protection of supply, 56.41
miles - 88.5 per cent of watershed.

RESERVOIRS, STORAGE TANKS & STANDPIPES

Classification	No. at close of year	Construction Material	Open or Closed	Capacity
*Manaque Reservoir	1	Earth Dam, Concrete Core	Open	27,800. M. G.
Collecting Reservoirs	4	Earth Dam, Concrete Core	Open	11,405. M. G.
Storage Reservoirs (Distribution)	1	Earth Dam, Concrete Core	Open	678.7 M. G.
	2	Masonry and Earth Bank	Open	23. M. G.

*Newark's share - 40.5 million gallons daily

PURIFICATION SYSTEM.

Sedimentation

Cedar Grove Reservoir, holding about fifteen days' supply, acts as a Sedimentation Basin. The Outlet Gatehouse is arranged so that the reservoir can be by-passed and the supply drawn directly from the watershed. There are two inlets, one near the southern end and the other near the northeast corner. The Outlet Gatehouse is on the west side. The area of Cedar Grove Reservoir is 100 acres and its capacity is 678.7 million gallons.

Purification

Chlorination plants have been installed at Macopin Intake and Cedar Grove Reservoirs.